



MarTREC UTC Project Information Form
USDOT Tier 1 University Transportation Center
Agency ID or Contract Number 69A3551747130

Project Title: Modal Comparison Update: 2001-2019
Project Abstract (Brief Description): In December 2007, the Texas A&M Transportation Institute (TTI) submitted a report to the U.S. Maritime Administration (MARAD) and the National Waterways Foundation (NWF) titled “A Modal Comparison of Domestic Freight Transportation Effects on the General Public”. Since that time, several updates to the study have been performed, with the last update covering the period 2001 to 2014. This study will cover the period 2001 to 2019. Effects will cover congestion, emissions, energy efficiency, safety, and infrastructure impacts.
Describe Implementation of Research Outcomes: Many organizations have used previous versions of the study to document the differences in the effects of the 3 modes being analyzed. Additionally, a number of private businesses have used the statistics in project alternatives development, and the federal government (DOT) has used the statistics to check its calculations and assumptions.
Impacts/Benefits of Implementation: Update the modal comparison statistics provided in previous versions of the study.
Web Links: martrec.uark.edu
Budget (Funding) Amounts & Source(s) (US DOT +Match(s) =Total Costs): MarTREC \$30,000. National Waterways Foundation \$15,000. \$45,000 total.
Project Start and End Dates: March 22, 2021 - December, 2021 Completed project
Principal Investigator(s) and Contact Information: C. James Kruse (ORCID ID 0000-0002-7519-161X)— kruse@tamu.edu — 713-613-9210
Principal Investigator Institution (University): Texas A&M Transportation Institute